

SUPPORT EQUIPMENT RECOMMENDATION DATA (SERD)

SECTION 1. ADMINISTRATIVE DATA

SE ITEM NAME	GOVT TYPE DESIGNATION	SUPPORT EQUIPMENT FULL ITEM NAME	SIASCN	SKETCH
ADAPTER, AGB POSITI		ADAPTER, POSITIONING - AGB		Y
-----NATIONAL STOCK NUMBER-----				
PREFIX	FSC	NIIN	SUFFIX	CONTRACT NUMBER
				N00019-92-C-0149
-----RESPONSIBLE AGENCIES-----				
ADO	LDO	PE	PSICP	
				NAWCAD
				NAWCAD
				KE
ICC	GFE/CFE	CAL ITEM	CAL REQD	USING SERVICE
7	C	N	N	NAVY
				AG
				PAGZZ3
				A
TEC	TECHEVAL PRIORITY	TECH MANUAL CODES	PROD LEAD TIME	DATE FIRST ARTICLE
	BA		5	1196
* * * * * SYSTEM EQUIPMENT REQUIRED * * * * *				
-----LCN-----	ALC	FSCM	PART NUMBER	QTY
				000
				.00
-----NATIONAL STOCK NUMBER-----				
PREFIX	FSC	NIIN	SUFFIX	ITEM NAME
				TYPE DESIGNATOR
* * * * * PRICE DATA * * * * *				
HDWR DEV	DESIGN DATA	PASS THRU	---ILS---	RECURRING
0	0	0	0	6359
				0
* * * * * ARTICLES REQUIRING SUPPORT * * * * *				
SERD	-----NOMENCLATURE-----			
NO	ITEM NAME	TYPE DESIGNATOR		

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* * * * * REMARKS * * * * *

CARD REFERENCE 0206 ACTION DATE:

THE DATE ENTERED INTO THIS FIELD REFLECTS THE DATE THAT
THE SUBJECT ITEM WAS APPROVED ON THE F414 SUPPORT
EQUIPMENT CANDIDATE LIST.

0207 SUBMITTAL DATE:

THE DATE ENTERED IN THIS FIELD IS THE ESTIMATED DATE
WHEN AN ENGINE WILL BE AVAILABLE FOR QUALIFICATION OF
THE SE END ITEM.

0312 LSA RECOMMENDATION CODE:

DUE TO THE LOW COST OF THE SUBJECT ITEM AND ITS
SIMPLICITY, IT IS NOT RECOMMENDED THAT IT BE CONSIDERED
REPAIRABLE. THEREFORE, THIS ITEM IS NOT RECOMMENDED AS
A LSA CANDIDATE.

0703 NON-RECURRING PRICE

THIS ITEM WILL BE FULLY DEVELOPED DURING THE F414 E&MD
PROGRAM. THERE WILL BE NO ADDITIONAL NON-RECURRING
COSTS ASSOCIATED WITH THIS ITEM.

0704 RECURRING PRICE:

THE RECURRING PRICE ENTERED IN THIS FIELD IS EXPRESSED
AS A 1998 SELLING PRICE, AND IS BASE ON AN ACTUAL
QUOTATION.

124D ALLOWANCE RANGE

THE ALLOWANCE RECOMMENDATION MADE IN THIS REPORT IS
BASED ON THE ALLOWANCE SPECIFIED IN F404 SERD NO. 0890
(21C8043G03).

NO	ITEM NAME	TYPE DESIGNATOR		
0116	ENGINE ASSEMBLY	F414	-400	GE

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1505 DESIGN DATA:

A COMPLETE MULTI-DETAIL DRAWING, WITH AN INTEGRAL PARTS LIST, WILL BE PRODUCED FOR THE SUBJECT ITEM. THAT DRAWING WILL PROVIDE ALL OF THE DETAILS REQUIRED TO MANUFACTURE THE ITEM. DOCUMENTATION OF THE QUALIFICATION OF THE ITEM WILL BE PROVIDED. ANY MAINTAINABILITY AND RELIABILITY DATA REQUIRED FOR THE DEVELOPMENT OF A LSAR FOR THE SUBJECT ITEM WILL BE DOCUMENTED IN THAT LSAR. NO OTHER DESIGN DATA IS RECOMMENDED FOR THIS ITEM.

154A ILS REQUIREMENTS:

SINCE IT IS SIMPLE IN DESIGN, OF LOW COST, HAS NO REPAIRABLE SUBASSEMBLIES, IS NOT RECOMMENDED TO BE REPAIRABLE, AND HAS NO RECOMMENDED PREVENTATIVE MAINTENANCE TASKS, NO ILS DATA DELIVERABLES ARE RECOMMENDED FOR THIS ITEM.

SMR CODE

THE SMR CODE RECOMMENDATION MADE IN THIS REPORT IS BASED ON THE SMR CODE SPECIFIED IN F404 SERD NO. 0890 (21C8043G03).

-----LCN-----	ALC	---PREPARING ACTIVITY----	SUBMIT DATE	SERD NO	SERD STATUS	REV	FSCM
E21D701		GENERAL ELECTRIC COMPANY	080197	0116	R		99207
		--PART NUMBER---			ACTION DATE		
		21C14018G03			080294		

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SECTION 2. DESCRIPTION OF REQUIREMENTS

FUNCTIONAL ANALYSIS OF END ARTICLE DURING EITHER HORIZONTAL OR VERTICAL MAINTENANCE, HANDLING EQUIPMENT IS REQUIRED TO FACILITATE INSTALLATION OR REMOVAL OF THE ACCESSORY GEARBOX, WITH OR WITHOUT THE ACCESSORIES INSTALLED ONTO THE GEARBOX.

DESCRIPTION AND FUNCTION FOR SE DESCRIPTION

THE SUBJECT POSITIONING ADAPTER CONSISTS OF AN EXTENDED ALUMINUM WELDMENT CONTAINING A CLAMPING AND PIN ARRANGEMENT FOR ATTACHING THE AGB TO THE ADAPTER. TRUNNIONS ARE PROVIDED FOR LIFTING AND TURNING THE ADAPTER. THE ADAPTER HAS A RABBIT, AND THE ASSOCIATED BOLTS FOR INTERFACE WITH THE 21C5064 POSITIONING FIXTURE. TWO DOWELS ARE PROVIDED FOR INTERFACE WITH THE 21C8257 SUPPORT ADAPTER.

FUNCTION

IN PREPARATION FOR INSTALLATION OR REMOVAL OF THE AGB, THE FIXTURE IS PINNED TO THE AGB GROUND HANDLING MOUNTS AND THE PTO ROD IS INSERTED INTO THE ID OF THE PTO PAD. THE ADAPTER IS ATTACHED TO THE 21C5064 POSITIONING ADAPTER FOR RAISING OR LOWERING THE AGB. FOR LIFTING AND TURNING PURPOSES, THE 5098T02 HOIST ADAPTER IS ATTACHED TO THE ADAPTER'S TRUNNIONS. FOR STORAGE PURPOSES, THE ADAPTER/AGB PACKAGE IS LOWERED INTO EITHER THE 21C1449 STAND OR THE 21C8257 SUPPORT.

THE SUBJECT ADAPTER INTERFACES WITH THE FOLLOWING HARDWARE:

21C5064G02 AGB POSITIONING FIXTURE (WUC TBD)
 21C8257G01 AGB SUPPORT ADAPTER (WUC TBD)
 5098T02G01 GENERAL PURPOSE HOIST ADAPTER (WUC TBD)
 21C8127G01 GENERAL PURPOSE HOIST ADAPTER (WUC TBD)
 21C2449G01 GENERAL PURPOSE HOLDING FIXTURE (WUC TBD)
 ACCESSORY GEARBOX (WUC 27D71)

SE NON-PROLIFERATION SEARCH

1. DUE TO DIFFERENCES IN AGB SIZE AND CG, AND IN THE SIZE, WEIGHT AND CG OF THE AGB-MOUNTED ACCESSORIES BETWEEN THE F404 AND F414 ENGINES, THE COMPARABLE F404 POSITIONING FIXTURE (P/N 21C8043G03) WILL NOT MEET THE SUBJECT F414

REQUIREMENT.

2. A REVIEW OF MIL-HDBK-300 AND NAVAIR 19-1-127 REVEALED NO

SERD -----NOMENCLATURE-----

NO ITEM NAME TYPE DESIGNATOR

0116 ENGINE ASSEMBLY F414 -400 GE

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SECTION 2. DESCRIPTION OF REQUIREMENTS

EXISTING SE THAT WILL MEET THE SUBJECT REQUIREMENT.

3. THE SUBJECT ITEM WAS SELECTED IN ACCORDANCE WITH
PARAGRAPH 3.6.1.F. "NEWLY DEVELOPED ITEMS THAT MEET ALL
TECHNICAL REQUIREMENT", OF THE F414-GE-400 E&MD ILS DETAIL
SPECIFICATION (ILS-DS-30A-257, DATED 1 OCTOBER 1991).

1. DUE TO DIFFERENCES IN THE SIZE AND CG BETWEEN THE F404
AND F414 AGBS; AND THE SIZE, WEIGHT, AND CG OF THE AGB
MOUNTED ACCESSORIES, THE COMPARABLE F404 POSITIONING
FIXTURE (P/N 21C8043G03 IS NOT USABLE ON THE F414 ENGINE.

2. A REVIEW OF MIL-HDBK-300 AND NAVAIR 19-1-127 REVEALED NO
EXISTING SE THAT WILL MEET THE SUBJECT REQUIREMENT.

3. THE SUBJECT ITEM WAS SELECTED IN ACCORDANCE WITH
PARAGRAPH 3.6.1.F. "NEWLY DEVELOPED ITEMS THAT MEET ALL
TECHNICAL REQUIREMENT", OF THE F414-GE-400 E&MD ILS DETAIL
SPECIFICATION (ILS-DS-30A-257, DATED 1 OCTOBER 1991).

-----OPERATING CHARACTERISTICS-----

LN WD HT UM WT UM LN WD HT UM WT UM

041.0 019.0 019.0 IN 00035.0 LB 014.0 019.0 019.0 IN 00035.0 LB

-----STORAGE CHARACTERISTICS-----

INSTALLATION FACTORS FOR SE NOT APPLICABLE

ADDITIONAL SKILL REQUIREMENTS FOR SE NONE REQUIRED

SERD	-----NOMENCLATURE-----			
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SECTION 3. SUPERSEDURE/ALLOCATION

* * * * * SUPERSEDURE DATA * * * * *

* * * * * ALLOCATION DATA * * * * *

EQUIPMENT ALLOWANCE	MAINT LVL FUNCTION	LVC	ALLOWANCE RANGE										EXT RANGE
			1-4	5-8	9-12	13-16	17-24	25-32	33-64	65-125	126-250	251-450	
	I3	V	1	1	1	1	1	1	1	2	2	4	0
	I3	L	1	1	1	1	1	1	1	2	2	4	0
	I1	L	1	1	1	1	1	1	1	2	2	4	0
	D	L	1	1	1	1	1	4	4	4	6	6	0

PRE POS MOBILE FACILITY SPARE FACTOR REVOLVING ASSET

N

* * * * * SPECIFIC AUTHORIZATIONS * * * * *

NUMBER OF ACTIVITIES	TYPE OF ACTIVITY	NAME/LOCATION OF ACTIVITY	QUANTITY PER ACTIVITY
000			000

SERD	-----NOMENCLATURE-----			
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SECTION 4. DESIGN DATA

REQUIREMENTS	CONTRACTOR RECOMMENDED	GOVERNMENT REQUIRED	ESTIMATED PRICE	SCOPE
SE STANDARDIZATION	N			
SE SPECIFICATION	N			
DESIGN DATA	Y			SEE REMARKS
CONFIGURATION CONTROL	N			
RELIABILITY	N			
MAINTAINABILITY	N			
QUALITY ASSURANCE	N			
SAFETY	N			
HUMAN ENGINEERING	N			
TEST AND EVALUATION	Y			SEE REMARKS
COMPUTER RESOURCES	N			

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SERD NO	-----NOMENCLATURE----- ITEM NAME	TYPE DESIGNATOR
0116	ENGINE ASSEMBLY	F414 -400 GE

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SECTION 5. ILS REQUIREMENTS

REQUIREMENTS	CONTRACTOR RECOMMENDED	GOVERNMENT REQUIRED	ESTIMATED PRICE	SCOPE
ILS PLAN	N			
LSA	N			
MAINTENANCE PLAN	N			
SUPPORT MATERIALS LIST	N			
REPAIR OF REPAIRABLES	N			
PROV. TECH. DOC.	N			
MASTER INDEX REP.	N			
CMRS	N			
FACILITIES DATA	N			
TECHNICAL MANUALS	N			
MRC'S	N			
PHASED SUPPORT PLAN	N			
CPR/R	N			
REWORK STANDARD	N			
NEW START	N			

TRAINING N
CETS N
PHS AND T N
OTHER N
ESTIMATED TOTAL ILS PRICE N

SERD	-----NOMENCLATURE-----			
NO	ITEM NAME	TYPE DESIGNATOR		
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SERD	-----NOMENCLATURE-----			
NO	ITEM NAME	TYPE DESIGNATOR		
0116	ENGINE ASSEMBLY	F414	-400	GE

* * * * * SIGNATURES * * * * *

PROGRAM MANAGER _____ ENGINEERING _____ LOGISTICS _____

